

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|---|--|------------------|---------|---------------------|
| S160  | 3821 | (aspect near10 ratio) and (pixel near5 array)   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/03/17<br>09:18 |
| S161  | 2430 | S160 and (scann\$3 or reader\$1)  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/03/17<br>09:19 |
| S162  | 1103 | S161 and programm\$4  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/03/17<br>09:19 |
| S163  | 188  | S162 and barcode\$1   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/03/17<br>09:19 |
| S164  | 1754 | (programming or changing or manipulating or controlling) near5 (aspect adj ratio)                                       | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/03/17<br>09:20 |
| S165  | 1    | S163 and S164   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/03/17<br>09:21 |
| S166  | 6008 | (programm\$4 or chang\$3 or manipulat\$3 or controll\$3 or fix\$3) near5 (aspect adj ratio)                             | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/03/17<br>09:21 |
| S167  | 7339 | (programm\$4 or chang\$3 or manipulat\$3 or controll\$3 or fix\$3 or computing or calculat\$3) near5 (aspect adj ratio) | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/03/17<br>09:22 |

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| S168 | 3   | S163 and S167  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>09:22 |
| S169 | 13  | ("3562419"  <br>"3932702"  <br>"4167756"  <br>"4661847"  <br>"4939355"  <br>"4992867"  <br>"5235407"  <br>"5311304"  <br>"5446271").PN. OR<br>("5708470").URPN.                | US_PGPUB;<br>USPAT; USOCR                                      | OR | ON | 2008/03/17<br>09:25 |
| S170 | 732 | (aspect near10<br>ratio) same (pixel<br>near10 array)  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>09:28 |
| S171 | 99  | S167 and S170  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>09:28 |
| S172 | 101 | ("4136881"  <br>"4721860"  <br>"4794239"  <br>"4877949"  <br>"5047617"  <br>"5189292"  <br>"5235167"  <br>"5280161"  <br>"5478997"  <br>"5504316").PN. OR<br>("5710417").URPN. | US_PGPUB;<br>USPAT; USOCR                                      | OR | ON | 2008/03/17<br>09:30 |
| S173 | 117 | ("5378883"  <br>"5621203"  <br>"5672858"  <br>"5710417").PN. OR<br>("6223988").URPN.   | US_PGPUB;<br>USPAT; USOCR                                      | OR | ON | 2008/03/17<br>09:33 |

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|------|----|--|------------------------|----|----|------------------|
| S174 | 66 | ("3582203"   "4082426"   "4202597"   "4588882"   "4634850"   "4869532"   "4924078"   "4958064"   "4983817"   "5019699"   "5059126"   "5073954"   "5093147"   "5123352"   "5276472"   "5278609"   "5286286"   "5313235"   "5314336"   "5325217"   "5369261"   "5378883"   "5396054"   "5477042"   "5478997"   "5513017"   "5516590"   "5525798"   "5525810"   "5534684"   "5541633"   "5547501"   "5550365"   "5569317"   "5583331"   "5591956"   "5612524"   "5616909"   "5640001"   "5656803"   "5684069"   "5693693"   "5710417"   "5719385"   "5736725"   "5755860"   "5756981"   "5766324"   "5793033"   "5798515"   "5798516"   "5818028"   "5821518"   "5822436"   "5834749" | US-PGPUB; USPAT; USOOR | OR | ON | 2008/03/17 09:50 |
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|      |      | "5854478"<br>"5861618"<br>"5930531"<br>"5979760"<br>"5988506"<br>"6003773"<br>"6019286"<br>"6034379").PN. OR<br>(("6688525").URPN.  |  |    |                            |
| S175 | 101  | ("4136881"  <br>"4721860"  <br>"4794239"  <br>"4877949"  <br>"5047617"  <br>"5189292"  <br>"5235167"  <br>"5280161"  <br>"5478997"  <br>"5504316").PN. OR<br>(("5710417").URPN. | US_PGPUB;<br>USPAT; USOCR  | OR | ON<br>2008/03/17<br>09:56  |
| S176 | 2    | ((two adj3 dimension<br>\$2) or 2D) near5<br>(pixel adj2 array)<br>same (aspect adj<br>ratio)   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON<br>2008/03/17<br>09:59  |
| S177 | 2    | ("5710417").PN.   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB       | OR | OFF<br>2008/03/17<br>10:22 |
| S178 | 202  | "5378883"   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB       | OR | ON<br>2008/03/17<br>10:23  |
| S179 | 22   | "537883"  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB       | OR | ON<br>2008/03/17<br>10:23  |
| S180 | 7    | (((two adj3<br>dimension\$2) or 2D)<br>near15 (pixel adj2<br>array)) same (aspect<br>adj ratio)   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON<br>2008/03/17<br>10:25  |
| S181 | 2768 | ((two adj3 dimension<br>\$2) or 2D) same<br>(aspect adj ratio)  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON<br>2008/03/17<br>10:29  |

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| S182 | 202    | S181 and barcode\$1  | US_PGPUB;<br>USPAT; USOCR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>10:30 |
| S183 | 71     | ((programm\$3 or<br>chang\$3 or alter\$3)<br>near5 (aspect adj<br>ratio) same<br>(PDF417 or 2d or<br>(two adj dimension<br>\$2)) | US_PGPUB;<br>USPAT; USOCR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>10:43 |
| S184 | 265    | ((programm\$3 or<br>chang\$3 or alter\$3)<br>same (aspect adj<br>ratio) same<br>(PDF417 or 2d or<br>(two adj dimension<br>\$2))  | US_PGPUB;<br>USPAT; USOCR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>10:54 |
| S185 | 40     | ((programm\$3 or<br>chang\$3 or alter\$3)<br>with (aspect adj<br>ratio) with (PDF417<br>or 2d or (two adj<br>dimension\$2))      | US_PGPUB;<br>USPAT; USOCR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>10:57 |
| S186 | 272321 | (PDF417 or (2d or<br>(two adj dimension<br>\$2) adj cod))  | US_PGPUB;<br>USPAT; USOCR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>12:20 |
| S187 | 309019 | (PDF417 or (2d adj<br>cod) or (two adj<br>dimension\$2))   | US_PGPUB;<br>USPAT; USOCR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>12:21 |
| S188 | 758    | ((2d adj cod) or (two<br>adj dimension\$2))<br>near3 (pixel adj<br>array)  | US_PGPUB;<br>USPAT; USOCR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>12:22 |
| S189 | 24     | S188 and (aspect<br>adj ratio)   | US_PGPUB;<br>USPAT; USOCR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>12:23 |
| S190 | 12     | S188 and (barcode)   | US_PGPUB;<br>USPAT; USOCR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>12:26 |

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| S191 | 0      | (2d adj cod) near3<br>(pixel adj array)     | US-PGPUB;<br>USPAT; USOOR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>12:29 |
| S192 | 0      | (2d adj cod) near15<br>(pixel adj array)    | US-PGPUB;<br>USPAT; USOOR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>12:29 |
| S193 | 37     | (2d adj cod) and<br>(pixel adj array)       | US-PGPUB;<br>USPAT; USOOR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>12:30 |
| S194 | 101    | (2d adj cod) and<br>(aspect adj ratio)      | US-PGPUB;<br>USPAT; USOOR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>12:35 |
| S195 | 13460  | ((aspect adj ratio)).<br>clm.               | US-PGPUB;<br>USPAT; USOOR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>12:38 |
| S196 | 49     | S194 and S195                               | US-PGPUB;<br>USPAT; USOOR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>12:38 |
| S197 | 29     | (2d adj cod) near10<br>(reader or scann\$2) | US-PGPUB;<br>USPAT; USOOR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>12:42 |
| S198 | 30     | (2d adj cod) near15<br>(reader or scann\$2) | US-PGPUB;<br>USPAT; USOOR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>12:48 |
| S199 | 4236   | symbol adj<br>technologies                  | US-PGPUB;<br>USPAT; USOOR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>13:00 |
| S200 | 101355 | "235".clas.                                 | US-PGPUB;<br>USPAT; USOOR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>13:00 |

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| S201 | 1372 | S199 and S200  | US-PGPUB;<br>USPAT; USOOR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>13:00 |
| S202 | 94   | S201 and (aspect<br>adj ratio) and (2d<br>adj ccd)   | US-PGPUB;<br>USPAT; USOOR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>13:01 |
| S203 | 29   | (2d adj ccd) near10<br>(reader or scann\$2)  | US-PGPUB;<br>USPAT; USOOR;<br>FRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/17<br>13:07 |
| S204 | 98   | ("4210802"  <br>"4409470"  <br>"4734566"  <br>"4766300"  <br>"4835615"  <br>"4877949"  <br>"4952966"  <br>"4962432"  <br>"4996413"  <br>"5010580"  <br>"5019699"  <br>"5025319"  <br>"5080456"  <br>"5083150"  <br>"5128769"  <br>"5130520"  <br>"5131053"  <br>"5168149"  <br>"5184005"  <br>"5187356"  <br>"5200597"  <br>"5210398"  <br>"5235167"  <br>"5237365"  <br>"5243666"  <br>"5245445"  <br>"5258604"  <br>"5262871"  <br>"5272538"  <br>"5276315"  <br>"5278397"  <br>"5291009"  <br>"5293238"  <br>"5296690"  <br>"5308960"  <br>"5308966"  <br>"5309243"  <br>"5314631"  <br>"5315095" | US-PGPUB;<br>USPAT; USOOR   | OR | ON | 2008/03/17<br>13:09 |

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|------|--------|---|--|----|----|---------------------|
|      |        | "5319181"<br>"5331143"<br>"5332892"<br>"5340973"<br>"5345266"<br>"5349172"<br>"5352884"<br>"5354977"<br>"5359185"<br>"5386271"<br>"5401949"<br>"5406063"<br>"5408084"<br>"5414251"<br>"5418357"<br>"5420635"<br>"5420943"<br>"5448293"<br>"5468947"<br>"5468950"<br>"5478997"<br>"5484994"<br>"5486688"<br>"5496992"<br>"5504316"<br>"5521366"<br>"5559555"<br>"5576523").PN, OR<br>("5702059").URPN. |  |    |    |                     |
| S205 | 5670   | (scann\$3 or reader)<br>with (2d or (two<br>adj1 dimension\$2)<br>near5 ((cod or cmos)<br>adj array))   | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/18<br>07:32 |
| S206 | 442    | S205 and (aspect<br>adj ratio)  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/18<br>07:33 |
| S207 | 258    | S206 and ("235".<br>clas.)  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/18<br>07:34 |
| S208 | 269581 | (2d or (two adj1<br>dimension\$2) near5<br>((cod or cmos) adj<br>array))  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/18<br>07:35 |

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| S209 | 269581 | (2d or (two adj1 dimension\$2) adj ((ccd or cmos) adj array)) | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 07:36 |
| S210 | 101353 | "235".clas.   | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 07:36 |
| S211 | 2804   | S209 and S210   | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 07:36 |
| S212 | 0      | (2d near5 ((ccd or cmos) adj array))                          | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 07:37 |
| S213 | 0      | (2d adj2 ((ccd or cmos) adj array))                           | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 07:37 |
| S214 | 482    | (2d adj2 (ccd or cmos))                                       | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 07:37 |
| S215 | 226    | S210 and S214   | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 07:37 |
| S216 | 96     | S215 and (aspect adj ratio)                                   | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 07:38 |
| S217 | 225    | S215 and (reader or scanner)                                  | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 07:41 |

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|------|----|--|--|----|-----|------------------|
| S218 | 82 | ("4541462"   "4988852"   "5155343"   "5235167"   "5262623"   "5286960"   "5291009"   "5296690"   "5349172"   "5354977"   "5378883"   "5484994"   "5512739"   "5532467"   "5550366"   "5698835"   "5703349"   "5739518").PN. OR ("5825006").URPN. | US-PGPUB; USPAT; USOCR                             | OR | ON  | 2008/03/18 07:48 |
| S219 | 21 | ("4567524"   "4724307"   "5308966"   "5324923"   "5347110"   "5389918"   "5444231"   "5506392"   "5691773"   "5702059"   "5703349"   "5714745"   "5717195"   "5736725"   "5736726"   "5763864").PN. OR ("6006990").URPN.                         | US-PGPUB; USPAT; USOCR                             | OR | ON  | 2008/03/18 07:56 |
| S220 | 2  | ("5835984").PN.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/18 08:18 |

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| S221 | 21  | ("4251798"   "4369361"   "4387297"   "4409470"   "4760248"   "4896026"   "4942473"   "5107122"   "5134489"   "5243655"   "5262871"   "5304786"   "5339090"   "5343297"   "5446271"   "5453604"   "5457309"   "5487115"   "5504319"   "5512739"   "5739518").PN. OR ("5835984").URPN. | US_PGPUB; USPAT; USOOR                                   | OR | ON | 2008/03/18 08:20 |
| S222 | 182 | ((aspect adj ratio) and (ccd or cmos)). clm.   | US_PGPUB; USPAT; USOOR                                   | OR | ON | 2008/03/18 08:33 |
| S223 | 182 | ((aspect adj ratio) and (ccd or cmos)). clm.   | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 08:34 |
| S224 | 291 | ((aspect adj ratio) and (ccd or cmos)). ab.  | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 08:34 |
| S225 | 9   | S223 and S224  | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 08:34 |
| S226 | 19  | ("4819070"   "4995061").PN. OR ("5486859").URPN.   | US_PGPUB; USPAT; USOOR                                   | OR | ON | 2008/03/18 08:37 |
| S227 | 56  | S223 and 2d  | US_PGPUB; USPAT; USOOR                                   | OR | ON | 2008/03/18 08:42 |
| S228 | 19  | ("4819070"   "4995061").PN. OR ("5486859").URPN.   | US_PGPUB; USPAT; USOOR                                   | OR | ON | 2008/03/18 13:37 |

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| S229 | 2  | ("5717195").PN.  | US_PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/18<br>13:53 |
| S230 | 65 | ("3654435"  <br>"3676644"  <br>"3924105"  <br>"4811408"  <br>"5034619"  <br>"5340973"  <br>"5367151"  <br>"5414251"  <br>"5420943"  <br>"5486688").PN. OR<br>("5717195").URPN. | US_PGPUB;<br>USPAT; USOOR                                      | OR | ON  | 2008/03/18<br>13:59 |
| S231 | 2  | ("5486859").PN.  | US_PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/19<br>09:46 |

3/ 21/ 2008 3:41:33 PM

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